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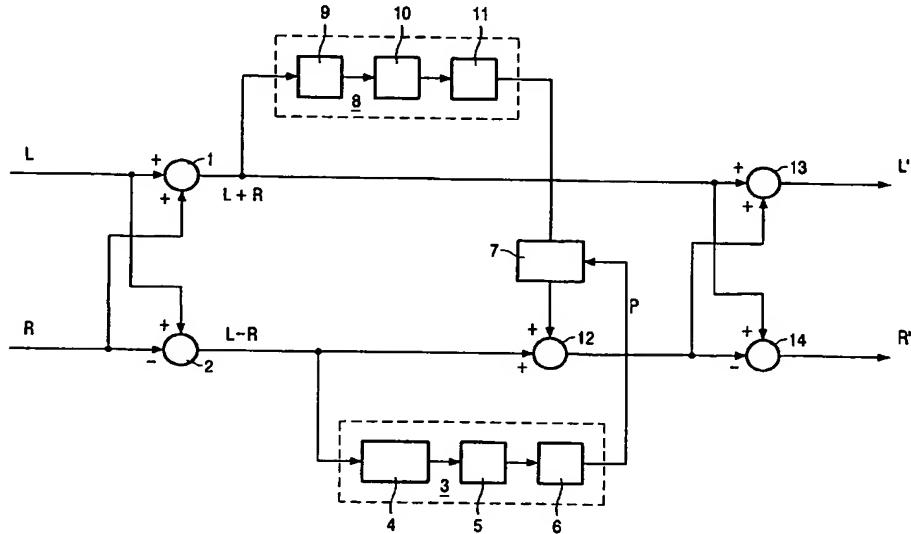
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[Continued on next page]

(54) Title: METHOD FOR PROCESSING AUDIO SIGNALS AND AUDIO PROCESSING SYSTEM FOR APPLYING THIS METHOD



(57) **Abstract:** In a method for processing audio signals composed audio signals (L+R) and (L-R) are derived from left (L) and right (R) audio signals. The energy content of the composed (L-R) audio signals above a predetermined frequency value is measured and compared with a predetermined threshold value. Then, when this energy content falls below said threshold value, a signal derived from and decorrelated with respect to the composed (L+R) audio signal is added to the composed (L-R) signal to obtain an improved composed (L-R) audio signal, and left (L) and right (R) audio signals are obtained back again from the composed (L+R) signal and the improved composed (L-R) audio signal.



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